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Substitute for Form 1449 A & B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

Complete if Known	
Application Number	10/022,365
Confirmation Number	3562
Filing Date	December 20, 2001
First Named Inventor	Takashi INAYAMA
Art Unit	3724
Examiner Name	Brian D. Walsh
Attorney Docket Number	Q67168

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number: Number	Document Number: Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
~~BV~~		~~US-3,815,191~~		~~06-11-1974~~	~~HOLMA~~ Duplicate
~~BV~~		~~US-4,776,733~~		~~10-11-1998~~	~~PETTERSSON~~
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document: Country Code[3]	Foreign Patent Document: Number[4]	Foreign Patent Document: Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation[6]

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OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation[6]
BV ~~BV~~		~~European Patent Office Communication dated April 10, 2003~~ DUPLICATE BV 9/3/03	

Examiner Signature		Date Considered	8/26/03

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Attorney Docket Number	Q67168

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number: Number	Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		US-5,137,396	A	08-11-1992	Hans Dürschinger (cited in OA 4-10-03)
		US-5,085,541	A	02-04-1992	Vandell E. Simpson, III (cited in OA 4-10-03)
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FOREIGN PATENT DOCUMENTS

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BV		EP	0 958 873	A1	11-24-1999	SANDVIK AKTIEBOLAG	N/A
BV		EP	0 775 544	A1	05-28-1997	SANDVIK AKTIEBOLAG	N/A

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BV		Austrian Patent Office Communication dated April 4, 2003	

Examiner Signature		Date Considered	6/26/03

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Art Unit	3724
Examiner Name	Not Yet Assigned
Attorney Docket Number	Q67168

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BN		US 3,815,191		6/11/1974	Holma
BN		US 4,776,733		10/11/1988	Pettersson
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BN		EP	1,123,765 A1		8/16/2001		

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BD		European Patent Office Communication dated April 10, 2003	

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Examiner Signature	BD	Date Considered	8/26/03

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BW		EP	0 775 544	A1	05-28-1997	SANDVIK AKTIEBOLAG	N/A

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